RISC PC

Data Sheet 17
14" SVGA Multiscan ES (EnergySaving) Monitor

April 1994

The 14" SVGA Multiscan ES (Energy Saving) Monitor, aimed at the professional user, takes advantage of the architecture of the new Risc PC.

This monitor has a 14" nominal screen size with an extremely small dot pitch (0.28 mm), which makes it suitable for most of the applications which can be used on the Risc PC.

To reduce user strain to the minimum, its ergonomics have been carefully researched, and exceed the standards required by Swedish MPR II certification and the EEC Display Screen Directive (90/270/EEC) for low emissions. It is also Energy Star compliant (when used with any Risc PC), thanks to the Power Management System which allows a power consumption of less than 20 watts in Power Save mode (the American Energy Programme Agency, responsible for the Energy Star certification, set a maximum of 30 watts). It is manufactured by BS5750-certified Microvitec plc exclusively for Acorn, to Acorn's own specification.

Acorn

Specification - AKF60 SVGA Multiscan ES (Energy Saving) Monitor

General

Acorn monitor type:	High Resolution 14" monitor
Nominal screen size:	14"
Phosphor dot matrix pitch:	0.28 mm
Surface treatment:	Antistatic, anti-glare coating
Power save function:	Controlled by host computer

Mains input

Mains input voltage/frequency:	220-240V AC/47-63Hz
Mains input connection:	1m captive cable with IEC 320 connector for direct connection to computer
Power consumption:	<70W (normal), <20W (Power Save)

Safety approvals

	EN60950 including all national variants
	EEC Low Voltage Directive 72/73/EEC
	PTB
EMC approval:	EN55022 (CISPR22) Class B
	89/336/EEC (EMC Directive)
Other approvals:	EEC Display Screen Directive 90/270/EEC
	EN29241
	MPR II

Scanning

Horizontal frequency:	30-50kHz
Vertical frequency:	40-90Hz
Switching time between modes:	<2 sec

Video

Input type:	Analogue RGB
Input level:	0 to 0.7 to 1.0V
Synch input level:	TTL H, HV and V
Input impedance:	75 ohms
Input connection:	1m captive video cable with 15-way 'D' type connector

User controls

On/Off
Brightness
Contrast
Height
Horizontal shift

Physical

Nominal screen area:	260 x 195 mm (1024 x 768 - 60kHz)
Positional adjustment:	Integral tilt and swivel base
Dimensions (H/W/D):	345 x 360/380 mm
Weight:	12.5 kg
Packaged dimensions (H/W/D):	496/438/473 mm
Picture centring:	± 2 mm
Geometry distortion:	2.5 mm max
Misconvergence (centre/corner):	0.25 mm (< 0.45 mm) max
Linearity:	7% max
Colour:	Pantone Cool Grey

Reliability

MTBF:	35,000 hours (excluding tube)

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